AMD EPYC

GET IMPRESSIVE, BUDGET-FRIENDLY SERVER PERFORMANCE

WITH AMD EPYC™ 4004 SERIES PROCESSORS

AMD EPYC 4004 Series processors address the all-day, everyday processing needs of small business and dedicated hosted services.

SMALL BUSINESSES RELY ON TECHNOLOGY TO GROW...

Small businesses are implementing everything from anything-as-a-service (XaaS) solutions and next-gen cloud strategies to enhanced customer experiences and AI implementations to compete successfully in their markets.[1]

...BUT IT CAN BE EXPENSIVE AND COMPLICATED

16% of small business owners say they need to update their technology but fear they don't have the budget to do so.[2]

WHEN PLANNING FOR OPTIMAL TECHNOLOGY UPGRADES, SMALL BUSINESSES AND DEDICATED HOSTED SERVICES SHOULD BE FOCUSING ON:

PRODUCTIVITY

You're more likely to meet your business goals if you can build **high-performing servers** ideal for growing businesses and dedicated hosting services.

AFFORDABILITY

Aiming for **low system acquisition cost** can help your growing business get the essential server solutions you need at the right price.

EASE OF USE

When servers are validated with leading business technology providers and on key server operating systems, they are **simpler to deploy and scale** for price-conscious buyers.

COMPATIBILITY

X86 compatibility makes it **straightforward** to build an **efficient infrastructure** without the headaches of wholesale software changes.

AMD EPYC 4004 SERIES PROCESSORS:

THE RIGHT CHOICE FOR COST-EFFECTIVE SERVER DEPLOYMENTS

With AMD EPYC 4004 Series processors, it's possible to accommodate everyday workloads on an entry-level server that's easy-to-use and budget-friendly.

HIGH PRODUCTIVITY

AMD EPYC 4004 Series processors features **up to 16 high-performance "Zen 4" x86 cores** per socket with 32 threads and up to **128 GB DDR5 memory**.

THE RIGHT FIT

COMPARING 1P SERVERS,
16C AMD EPYC 4584PX DELIVERS 73% MORE INTEGER PERFORMANCE
THAN 8C INTEL® XEON® E-2488[E4K-003A]

IMPRESSIVE PERFORMANCE FOR YOUR WORKLOADS

16C AMD EPYC 4564P AND 8C AMD EPYC 4364P PROCESSORS
OUTPERFORM 8C INTEL® XEON® E-2488 PROCESSORS
BY 57% AND 15% OVERALL GEOMEAN, RESPECTIVELY, ON 450+ PUBLISHED PHORONIX TEST SUITE (PTS) WORKLOADS[E4K-013]

TRUE AFFORDABILITY

SAVINGS PER SERVER

GET THE ESSENTIAL SERVER SOLUTIONS YOU NEED AFFORDABLY.
COMPARING 1P SERVERS,
A 16C AMD EPYC 4584PX CPU DELIVERS 67% BETTER INTEGER PERFORMANCE/ ESTIMATED SYSTEM $
THAN AN 8C INTEL® XEON® E-2488 CPU[E4K-003A]

COST-EFFECTIVE AND OPTIMIZED SOLUTION

SINGLE-SOCKET 16C AMD EPYC PROCESSOR-BASED SERVERS
ENABLE YOU TO FULLY UTILIZE YOUR 16C BASE MICROSOFT WINDOWS SERVER LICENSE

DEPENDABLE AND EASY TO USE

CAPITALIZE ON EASE OF USE

RUN YOUR BUSINESS SOFTWARE QUICKLY AND RELIABLY ON A HIGH-PERFORMANCE ENTERPRISE-CLASS SERVER THAT IS
EASY TO DEPLOY OUT OF THE BOX

SOLID PLANS

AMD IS CONSISTENTLY DELIVERING ON ITS LONG-TERM PROCESSOR ROADMAP, GIVING YOU CONFIDENCE THAT YOU CAN NAVIGATE YOUR SERVER RISKS, COMPLEXITIES AND REQUIREMENTS AND
PLAN FOR THE FUTURE

COMPUTING RESPONSIBLY

AMD PARTNERS WITH SUPPLIERS TO ADVANCE HUMAN RIGHTS AND SUPPORT SUPPLY CHAIN RESILIENCE.
COMPLIANCE AND RESPONSIBILITY
ARE MORE STRAIGHTFORWARD THAN EVER[3]

EFFICIENCY AND COMPATIBILITY

ENERGY SAVER

COMPARING 1P SERVERS, 16C AMD EPYC 4584PX DELIVERS
52% BETTER INTEGER PERFORMANCE/ EST. SYSTEM W
THAN INTEL XEON E-2488 E4K-003[E4K-003A]

EASY UPGRADES

FULL X86 COMPATIBILITY MAKES IT EASY TO
MODERNIZE LEGACY SERVERS AND APPLICATIONS
WITHOUT WHOLESALE SOFTWARE CHANGES

AMD EPYC

ACHIEVE VALUE-DRIVEN SERVER PERFORMANCE WITH AMD EPYC 4004 SERIES PROCESSORS.

together we advance_small business

LEARN MORE AT AMD.COM/EPYC
OR CONTACT YOUR AMD SALES REPRESENTATIVE.

© 2024 Advanced Micro Devices, Inc. All rights reserved. AMD, the AMD arrow, EPYC, and combinations thereof are trademarks of Advanced Micro Devices, Inc. Intel, the Intel logo and Xeon are trademarks of Intel Corporation or its subsidiaries. "SPEC" and "SPECrate" are registered trademarks of the Standard Performance Evaluation Corporation. See www.spec.org for more information. Other product names used in this publication are for identification purposes only and may be trademarks of their respective companies.

1 Techaisle, "2024 Top 10 SMB and Mid-market Predictions," December 20, 2023, https://techaisle.com/blog/549, 2024 top 10 smb and mid-market predictions

2 GetApp Blog, "2024 Is a Make or Break Year," January 25, 2024, https://www.getapp.com/news/news/small-business-technology-trends-2024/

3 See amd.com/en/corporate/responsibility/supply-chain/responsibility.html

For details on the claims used in this document, visit amd.com/en/legal/claims/epyc

DC0A0371-A May 2024